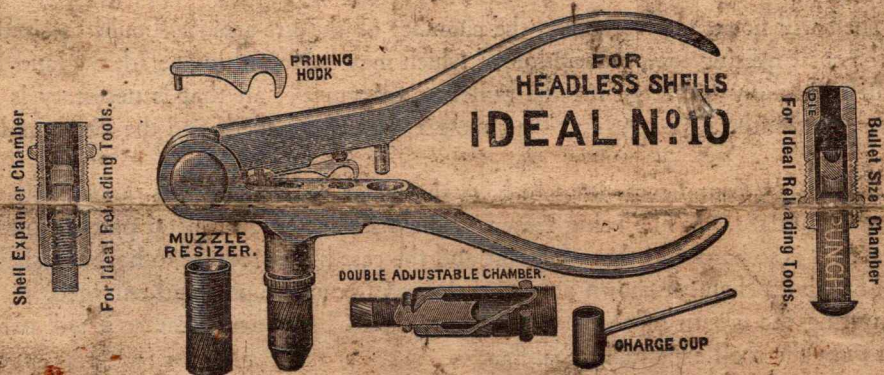


IDEAL RELOADING TOOL, No. 10



INSTRUCTIONS

Always be careful to clean your shells as soon after firing as possible. Clean shells are quite necessary for good work.

PREPARATION OF THE BULLET

Full bullets from Ideal moulds are a trifle above the standard size. They may be brought to the standard size by being forced through the bullet sizing hole in the tool or through the bullet sizing chamber shown above. The bullet sizing chamber sizes the bullet base first, thus leaving the base perfectly clean and true, and is quite necessary for bullets made of hard alloys or those having wide bands.

Alloys of tin and antimony increase the size of the bullet slightly. To get good full bullets, use the Ideal Dipper, Pot and Cover.

PREPARATION OF THE SHELL

Open the mouth of the shell by forcing it against the shoulder on the cap extractor when expelling the primer, or, if the extractor has no shoulder, by inserting the tapered end of the chamber, in which case be careful not to open the shell mouth too much.

Expel the old primer by placing the cap extractor in the loading chamber pin up and putting the shell over it, bringing the levers of the tool together until the primer is forced out.

Do not press the levers together unless you are sure the pin of the extractor is entered into the firing hole of the shell, as many shells are found to have the firing hole not punched centrally and in such cases there would be a tendency to bend or break the pin.

When seating the new primer, be sure that the shell has no powder in it. Enter the primer well into the pocket of the shell by placing it upon a table wrong side up and forcing the shell upon it, then place the shell in the hole under the seating punch, swing the priming hook under the head to hold shell in place, and bring the levers together until the primer is forced to the bottom of the pocket.

Be sure it is below the surface of the head, or it may interfere with the action of the fire-arm and cause premature explosion.

If your shell will not enter freely into the chamber of the fire-arm, it should be sized the whole length with the shell resizing tool, description of which may be found in the Ideal Hand Book.

If the shell is simply too large for the bullet at the muzzle, all that is necessary is the muzzle sizer, which screws into the same hole that the chamber does. The shells and the die should be slightly oiled.

New shells may be found sometimes to have the inside muzzle size five thousandths of an inch smaller than the standard. While being seated, in such shells, the full metal patched bullet expands the shell, because it is so hard, but the soft point and the cast bullet require to have the shell expanded with the shell expander chamber shown above, or they will become upset and enlarged.

By chamfering the mouth of the shell with our Shell Chamfering Reamer it will often make it unnecessary to use the shell expanding chamber.

PREPARATION OF THE CARTRIDGE

After the shell and bullets are properly prepared as above, fill the charge cup full of powder, strike it off level and pour into the shell. Then enter the bullet into the shell with the fingers. When measuring smokeless powder more satisfactory results can be obtained by using our No. 5 Powder Measure, for description of which see Ideal Hand Book.

Hold the tool in a horizontal position and place the cartridge into the loading chamber and press the-levers firmly together, the chamber having been screwed in until the shell is crimped properly. If more crimp is desired, screw the chamber in a trifle more. When the proper crimp is obtained, fasten the chamber with the check nut. If *no crimp* is desired, the chamber must be so ordered. You can get *no crimp* with the regular chambers by unscrewing them a little, but that will make the cartridge longer over all than the standard. This in most cases will cause no trouble.

To prevent bullets from receding into the shell and compressing smokeless powder, see Ideal Shell Indentor in the Ideal Hand Book.

Muzzle Resizer, Shell Expander Chamber, and Bullet Sizer Chamber are special equipment for this tool.

THE LYMAN GUN SIGHT CORPORATION
MIDDLEFIELD, CONN.
SUCCESSORS TO
IDEAL MANUFACTURING CO.